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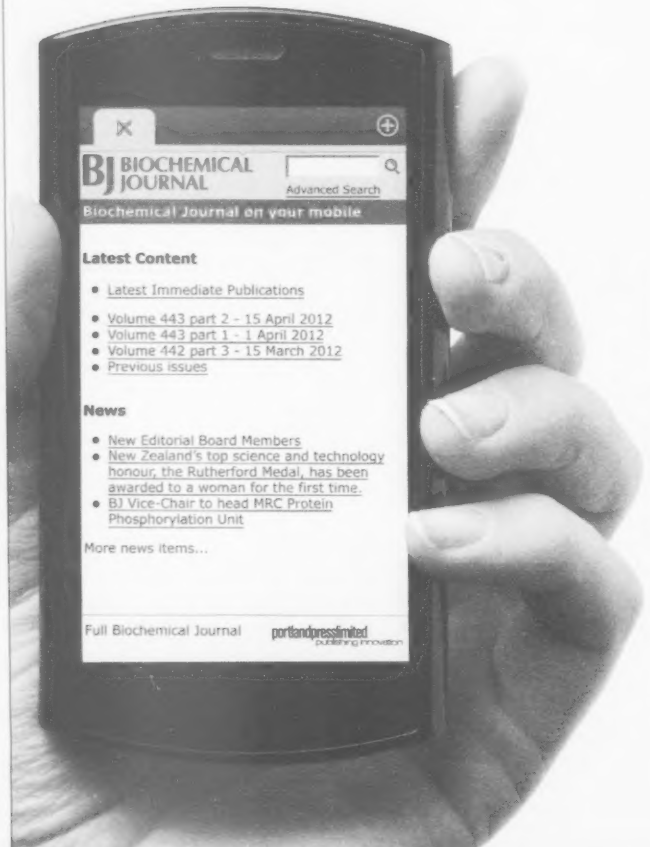
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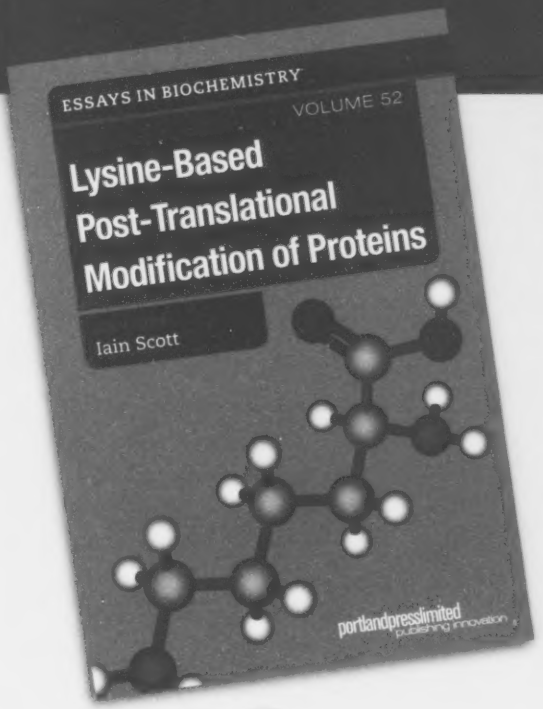

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Lysine-Based Post-Translational Modification of Proteins

Guest Editor: Iain Scott

Many situations within the cell require a rapid change in the function or abundance of existing proteins, and it is here that post-translational modifications play an important role. The range of post-translational modifications is broad, therefore the present volume of Essays in Biochemistry focuses on lysine-based post-translational modifications. These lysine-based modifications (e.g. acetylation, methylation, ubiquitination and SUMOylation) help to regulate a vast number of cellular processes, including metabolism, innate immunity, cell motility, DNA-damage repair and mitochondrial function, all of which are discussed in the present volume.

Contributors: Xiang-Jiao Yang, Matthew D. Hirschey, Albert Neutzner, Brenda A. Schulman, Tso-Pang Yao, Nicholas B. La Thangue, Tapas K. Kundu, Mitsuo Yamauchi, Louis M. Weiss, Benjamin A. Garcia and Daniel Schwartz

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